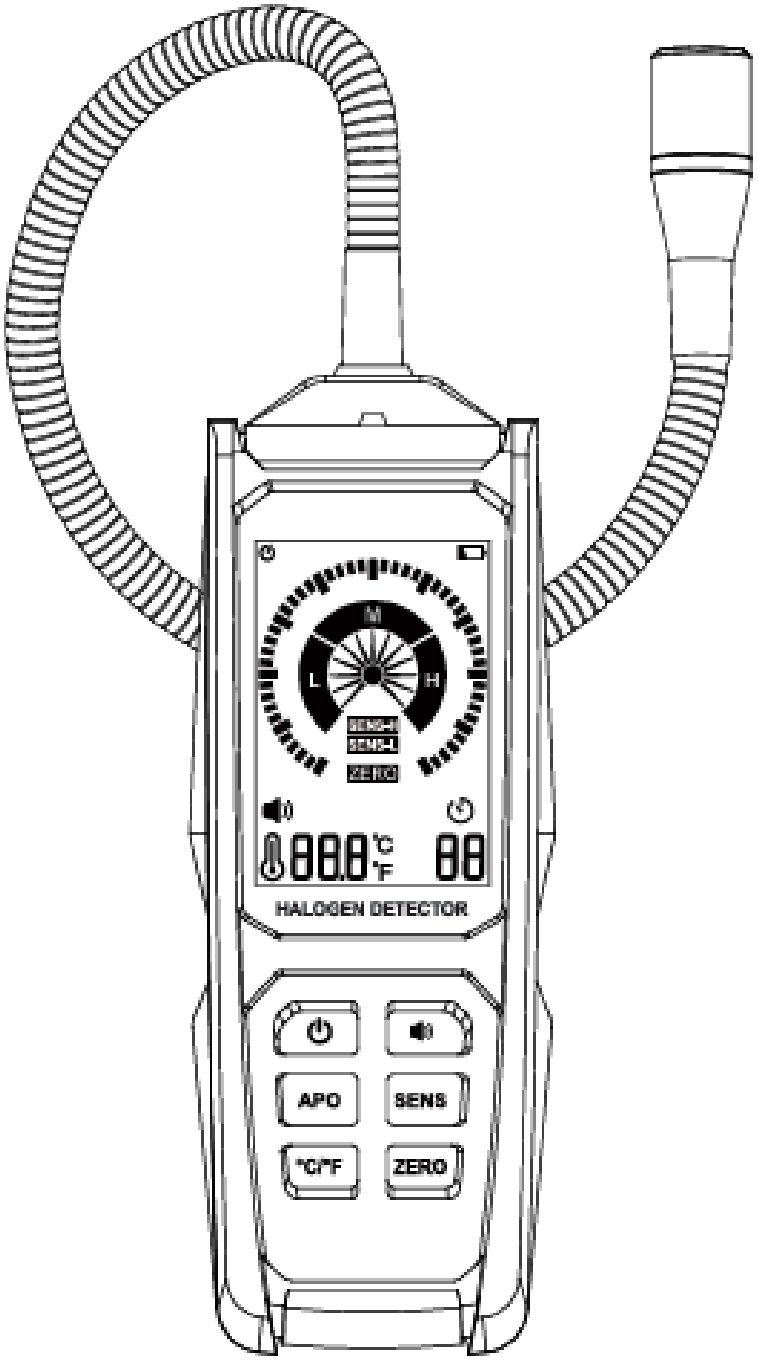
USER'S MANUAL

Halogen detector



⚠ Please refer to the manual before using the product

User Notice

- Before using this product, please read the manual carefully to maximize the product's performance.
- It is prohibited to use this instrument in flammable or explosive environments.
- If the instrument has any quality problems or any questions about the use of the instrument, please contact the local dealer or manufacturer in time and we will address the issue for you as soon as possible.

1. Product Overview

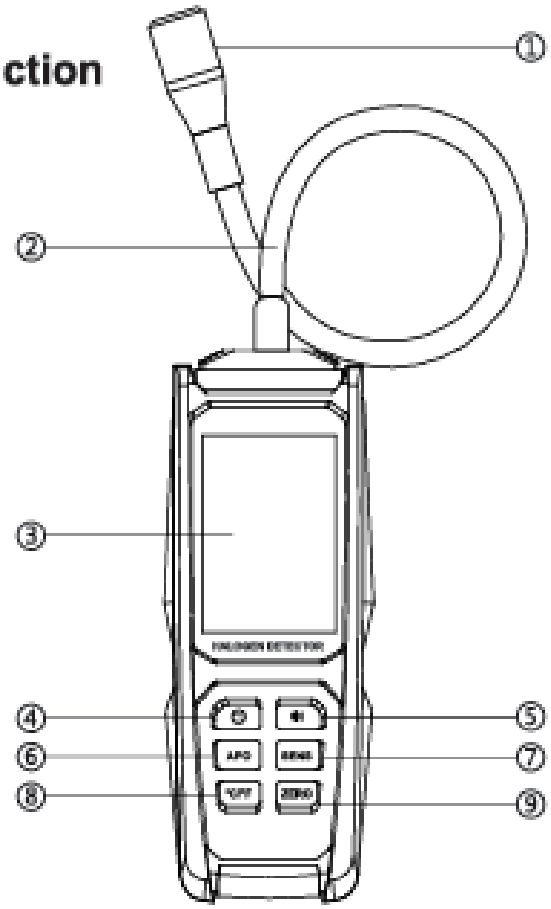
This instrument is a detector used to detect the intensity of halogen gases in the environment. The instrument has an analog display and no digital precision. It can assist workers in quickly detecting whether there is a leakage of halogen gases in the environment. By observing the intensity of the analog display on the screen and the volume of the buzzer alarm sound, it can be determined whether there is a leakage of halogen gases in the environment.

This instrument uses an electrochemical sensor to generate an electrical signal through an electrochemical reaction with halogen gas. The strength of the electrical signal is proportional to the concentration of the halogen gas, thus enabling the detection of halogen gas concentration. It is widely used in industrial production, refrigeration equipment installation and maintenance, environmental monitoring, scientific research experiments and other fields.

2. Precautions

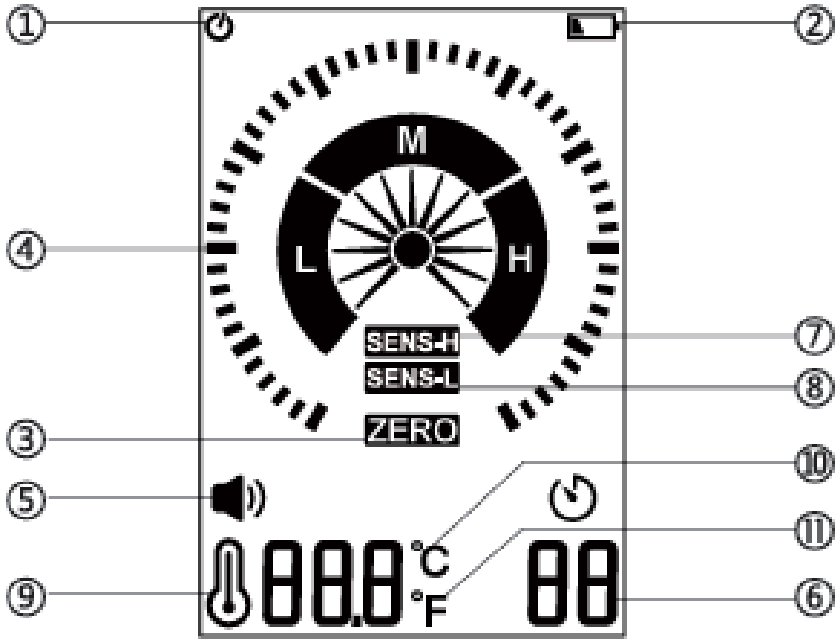
1. This product is a halogen gas detector, not a measuring device.
2. Make sure the sensor grille is free of dirt, debris, and obstruction.
3. Calibrate the detector in a normal atmosphere (20.9% oxygen) free of harmful gases.
4. It is prohibited to store or use the instrument in high-temperature, high-humidity, flammable, explosive, acidic, alkaline, or strong oxidizing gas environments.
5. Cleaning and maintenance: Please use a soft cloth and neutral detergent to wipe the surface of the instrument. Do not use abrasives and solvents to prevent corrosion or damage to the instrument.

3. Structure Introduction



Symbol	Description
①	Sensor
②	Universal tube
③	Display
④	Power button
⑤	Sound on/off button
⑥	Cancel the automatic shutdown button
⑦	High and low sensitivity conversion button
⑧	Temperature unit conversion button
⑨	Reset button

4.Display Introduction



Symbol	Description
①	Automatic shutdown
②	Battery low voltage
③	Zero symbol
④	Analog display
⑤	Trumpet
⑥	Warm-up countdown
⑦	High sensitivity
⑧	Low sensitivity
⑨	Temperature
⑩	Celsius
⑪	Fahrenheit

5.Technical Parameters

Product Name	Halogen detector
Detection gas	R22.R32.R134a
Display	Color screen
Sampling method	Diffusion
Range	0 ~ 1000PPM
SENS-H	50PPM~1000PPM
SENS-L	500PPM~1000PPM
Maximum sensitivity	R22/R134A @ 0.5 oz/year (14 g/year)
Warm-up calibration time	30-Second countdown
Response time	<10 Seconds
Alarm method	Buzzer alarm + Analog display
Temperature measurement range	-10 °C ~ 60 ℃
Accuracy	±1.5 °C
Resolution	0.1 °C
Automatic shutdown	10 Minutes
Working current	About 145mA
Operating temperature	0-60°C
Operating humidity	≤ 90%RH
Storage environment	-10 ~ 60 °C / ≤85 % RH
Universal tube length	270mm
Size	160 × 63 × 32mm
Weight	Approximately 242g (excluding battery)

6. How to use the buttons

1. (⏻) Power button : Long press to turn on the device, short press to turn off the device .

2. (🔊) Button: Short press to turn on or off alarm sound.

3. (APO) Button: Short press to cancel or enable the automatic power-off function.

4. (SENS) Button: Short press to switch to SENS-H high sensitivity and SENS-L low sensitivity.

5. (°C/°F) Button: Short press to switch between °C/°F.

6. (ZERO) Button:Short press to clear to zero after a 5-seconds countdown.

7. Instrument calibration

After the instrument is turned on, it enters the 30-second countdown warm-up self-calibration mode. During self-calibration, the instrument should be kept away from gas leakage environments to prevent leaking gas from affecting the calibration and causing measurement errors. Normal measurement can be carried out after the calibration is completed.

8. Measurement and alarm

When the instrument is powered on and enters normal measurement mode, the probe is slowly brought closer to the object being measured . If halogen gas is present in the environment, the instrument will quickly detect the leak and display the concentration of the leaked gas on the screen . Furthermore, when the gas concentration gradually rises to the alarm value, the instrument will emit a rapid beeping alarm , indicating the presence of halogen gas in the environment .

9. Packing List

Detector	× 1
Manual	× 1
Cloth bag	× 1
1.5V × 3 AAA batteries	× 3

USER'S MANUAL

Made in china

CE RoHS

M101040103

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